

20020606.ba v03\_n346.bam.20020606

>From ???@??? Thu Jun 6 14:13:33 2002 -0500  
Message-Id: <200206061913.g56JDMlc010648@sco.theporch.com>  
Date: Thu, 6 Jun 2002 14:13:03 CDT  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 3346

BOATANCHORS Digest 3346

Topics covered in this issue include:

- 1) RE: Do you Have Any Projects on the Bench?  
by Morris Odell <Morris0@vifp.monash.edu.au>
- 2) Projects on My Bench  
by Liles and Naomi Garcia <landn@easystreet.com>
- 3) PROJECTS AT HAND  
by "Allan Culbert" <k0al@mchsi.com>
- 4) projects  
by "David L. Thompson" <thompson@mindspring.com>
- 5) ab5L's sign from Hamcom  
by Michael N Hopkins <mnhopkins@juno.com>
- 6) RE: Do you Have Any Projects on the Bench?  
by "Paul H. Anderson" <pha@pdq.com>
- 7) Re: Do you Have Any Projects on the Bench?  
by "Thomas B Smith" <tsmith@hal-pc.org>
- 8) Re: Projects on Workbench  
by "James C. Garland" <4cx250b@muohio.edu>
- 9) Re: BA POWERS AND ICD  
by "Al Parker" <anchor@ec.rr.com>
- 10) Homebrew for sale  
by Merz Donald S <merz.ds@mellon.com>
- 11) Test Plain Text  
by Merz Donald S <merz.ds@mellon.com>
- 12) APQ-9 ??  
by Paul Thekan <Paul.Thekan@eimac.cpii.com>
- 13) new Bench extension needs Projects ...  
by third Eric <ejones@hiwaay.net>
- 14) Re: USS COBIA Project Update and Needs  
by Joe LeKostaj <jm\_lekostaj@attglobal.net>
- 15) Re: Do you Have Any Projects on the Bench?  
by Richard Post <postr@ohiou.edu>
- 16) D.C. motor generator brush care  
by Edward J Knobloch <k4pf@juno.com>
- 17) 7 space 19" bud rack needed  
by AA8TV@aol.com
- 18) Fellow WorkBench Project Procrastinators (WBPP)

by "Herbert M. Rosenthal" <herbrose@lobo.net>

-----  
Message-ID:  
<07A064EA6042D4118A62009027F70E77181FDE@nt\_exchange.vifp.monash.edu.au>  
From: Morris Odell <MorrisO@vifp.monash.edu.au>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: Do you Have Any Projects on the Bench?  
Date: Thu, 6 Jun 2002 16:08:20 +1000  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Gary Harmon wrote:

> Man, I love this hobby!!!

Amen to that! (and I'm not even religious :-)

Morris

-----  
Message-ID: <3CFF0C65.18163515@easystreet.com>  
Date: Thu, 06 Jun 2002 00:16:53 -0700  
From: Liles and Naomi Garcia <landn@easystreet.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Projects on My Bench  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Good evening Everybody,

Here are the projects on my bench right now:

I am fixing a Hallicrafters SX-111 for a friend, it has some incorrect tubes in it. I just got some of the correct tubes for it, so I will use my own SX-111 as an example to repair my friend's. There may be some minor thnigs that still need fixing, but these should not be too difficult.

I got a Triplet 630NA in its original box that I need to open up and check for battery compartment corrosion, and then get to working correctly.

Next, I am planning to build a 6 Volt power supply for my friend's BC band Sivertone vibrator-powered receiver. This particular radio has a wood case with a big round gold dial, and is a 3 band set.

Next, I am either buying or building a power supply for my military receivers that need dynamotors for power. I do not have many dynamotors, but would like to listen to my receivers using an outboard power supply.

Like everyone else, there are many more projects waiting for attention. One of my most interesting and oldest is a Hammarlund SP-10 receiver.

This is an interesting topic, and I wanted to contribute my part.

Regards from Aloha, Oregon,  
Liles Garcia  
landn@easystreet.com

-----  
Message-ID: <00c301c20d46\$e114be20\$9eded90c@mchsi.com>  
From: "Allan Culbert" <k0al@mchsi.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: PROJECTS AT HAND  
Date: Thu, 6 Jun 2002 05:42:38 -0500  
MIME-Version: 1.0  
Content-Type: multipart/alternative;  
boundary="-----\_NextPart\_000\_00C0\_01C20D1C.F7F26AE0"

This is a multi-part message in MIME format.

-----=\_NextPart\_000\_00C0\_01C20D1C.F7F26AE0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Gang,

I might as well join the fray.

Recently completed projects:

Collins S/Line  
National HRO-5  
Johnson Ranger

Current projects:

30L-1 truly a basket case, acquired at a SK estate auction. Missing =

sheetmetal and high voltage section

KWM-2 / PM-2 acquired "barn fresh" at another auction. So far, just =  
filthy and weak tubes.

Projects awaiting their "rightful turn":

National HRO-60  
National NBS-1  
Patterson PR-10  
Collins 75A-3  
Collins 32V-2

Let's see, at my current rate that should take me well into this decade!

73

Al, K0AL

-----=\_NextPart\_000\_00C0\_01C20D1C.F7F26AE0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

\* \* \* \* \*  
\* ---REMAINDER OF MESSAGE TRUNCATED--- \*  
\* This post contains a forbidden message format \*  
\* (such as an attached file, a v-card, HTML formatting) \*  
\* Mail Lists at theporch.com only accept PLAIN TEXT \*  
\* If your postings display this message your mail program \*  
\* is not set to send PLAIN TEXT ONLY and needs adjusting \*  
\* \* \* \* \*

-----=\_NextPart\_000\_00C0\_01C20D1C.F7F26AE0--

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Message-ID: <008701c20d52\$4a5bba40\$cb3245cf@default>  
From: "David L. Thompson" <thompson@mindspring.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: projects  
Date: Thu, 6 Jun 2002 08:04:19 -0400

This is great. Most of us don't even see the bench unless we move gear off.  
I try to get the gear I find working or get it to someone who can.

Some of you must have plenty of room (wish I did).

Lets keep it up! Make that old hammarlund, hallicrafters, or military gear  
smile again.

73 Dave K4JRB

-----  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Thu, 6 Jun 2002 07:43:21 -0500  
Subject: ab5L's sign from Hamcom  
Message-ID: <20020606.074322.-13333.0.MNHopkins@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
From: Michael N Hopkins <mnhopkins@juno.com>

I drew table Q-1 for this weekend's Hamcom near Dallas.

That is not much Quality Factor. I'd never load a sand state device into it unless I wanted a square wave. And it can't refer to the R-390A in my van still from an abortive Dayton run. It's a nice with the top and bottom and tactical nuclear meters too. I got a low ball offer from Pakistan for those.

And no one will see my '73 Chev van, unless it catches fire on the parking lot. So I don't know. But you might still look in on me, and the Collins and the HFS and the harmonic and probably a sleepy weasel or two, too.

73 de ab5L, student of Tecraft and 6M's Golden Age, 1956-58  
MNHopkins@JUNO.com Michael Hopkins, Box 226841, Dallas 75222

-----  
Date: Thu, 6 Jun 2002 09:06:37 -0400 (EDT)  
From: "Paul H. Anderson" <pha@pdq.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: Do you Have Any Projects on the Bench?  
Message-ID: <20020606085943.W20720-100000@localhost>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

My current projects include:

Install new face plate, knobs on and R-392, and paint everything I didn't replace - enough left over paint for about 10-15 R-392's unfortunately. When done, it will look new.

Re-align my recently finished R-391. It has some weak bands, too.

Repair my Lambda LGS-G-28-0V-R-CS-8514-1 46 amp power supply to run my T-195 which is coming soon, hopefully. I need a schematic - any suggestions?

Finish repairing my TV-7D/U tube tester which is in a zillion pieces right now, and has been for a year... sigh.

Sort and store numerous scavenged parts from scrap radios and modules and an old tape deck.

Paul

-----  
From: "Thomas B Smith" <tsmith@hal-pc.org>  
Subject: Re: Do you Have Any Projects on the Bench?  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Thu, 06 Jun 2002 08:23:46 -0500  
Message-ID: <web-11826666@mail.hal-pc.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="ISO-8859-1"; format="flowed"  
Content-Transfer-Encoding: 8bit

Currently restoring a Mackay Marine 128-A regen. I am 95% finished with my RCA 250-K broadcast tx. Currently working a Collins 12Z remote mixer. A beautiful Collins 310-exciter just about complete. Need to do a little PM on my Scott rbo-2, and Mackay 3010-C.

Just completed a BC-348-Q, and a couple RCA 50s vintage audio amps.

A near future project is to build a addition to my radio room at my camp. I would also like to get a complete HBR parts unit or complete receiver.

Whew!

-----  
Message-Id: <5.1.0.14.2.20020606093040.00a920b8@admin.muohio.edu>  
Date: Thu, 06 Jun 2002 09:32:25 -0400  
To: Old Tube Radios <boatanchors@theporch.com>  
From: "James C. Garland" <4cx250b@muohio.edu>  
Subject: Re: Projects on Workbench  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Gang,  
Here's my list, which having written down makes me realize howbehind I'm

getting.

Here's my list:

1. Repairing a Johnson Viking KW.
2. Restoring a Johnson Ranger 1, installing PTT mod, cosmetic fixes.
3. Restoring a Davco DR-30
4. Aligning and diagnosing intermittent synthesizer problem -- Galaxy R530
5. Repairing Gonser G62 receiver
6. Checking out NCL2000 amp, which I've had a year and never plugged in.

73,

Jim W8ZR

-----  
Message-ID: <05be01c20d63\$c894bef0\$6501a8c0@w8ut>

From: "Al Parker" <anchor@ec.rr.com>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: BA POWERS AND ICD

Date: Thu, 6 Jun 2002 10:09:33 -0400

MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi,

I'm on my 2nd ICD, first went in just under 5 yrs ago after sudden cardiac arrest. It's battery voltage went over the knee abt 2 mo.s ago, so am now on nr 2. Is yours from Medtronic or Guidant? (mine's Medtronic)

First --- call the manufacturer. You should get the same response from Guidant (or other) as I got from Medtronic, excellent, quick, info & answers to all your questions and concerns. My worries re: RF, etc, were pretty much dispelled, but check for yourself, don't rely on opinions.

I called shortly after I rcvd the 1st. I identified my self by name to the woman who answered the fone, told her I had a Medtronic ICD & wanted tech info, asked if she needed the s/n or any such info and was told that she already had me up on her computer screen. I was impressed. She transferred me to an engineering type who answered everything very promptly. (I'm a Professional Engineer)

I was told that - microwave ovens are NO problem, contrary to much popular belief, unless they can be operated with the door open AND you stand in front of it - handitalkies should be used on the side of the body away from the ICD, but not much risk - similarly for cell fones - operating enclosed amateur eqpt is no problem (may have been a caution about open tank ckts at hi pwr) - don't place yourself in front of a beam antenna, particularly at higher freqs -

I had specific concerns about 2 pieces of industrial eqpt that I was involved with.

First, a large magnetic coil system, similar to a linear induction motor, operating at a freq. of abt 2 cps (hz) (not kc, just cycles). It was

used underneath an aluminum melting furnace to stir the bath by induction, many 100's kw of pwr, (I can't remember exactly how many). I was told that if I got near it while in operation it could "inhibit therapy."

Second, a high powered (again 100's kw) induction heater, operating at abt 3.5 kc. This one could "initiate therapy." Definitely unacceptable. If you've ever had your ICD deliver defib. "therapy" you know what I mean. I liken it to grabbing hold, hard, to an automobile spark plug with each hand, for 1 pulse only, fortunately.

My battery ran low a bit before it's normal life, probably due to over a dozen "therapies" in the first 2 yrs or so. The ICD is a remarkable technological device, with quite an onboard computer for monitoring, providing pacing & defib. therapies as needed, and storing data. It is very programmable, for many parameters and functions.

I hope my experiences will provide some assurance to you, but still, call the mfg. As they say, "your experience (conditions) may vary." Medtronic has been very helpful in supplying requested technical info on batteries, capacitors, etc, with email and printed data, reports, etc.

73,

Al, W8UT

New Bern, NC

BoatAnchors appreciated here

<http://www.thecompendium.net/radio/>

<http://www.hammarlund.info>

----- Original Message -----

From: <KN5VOL@aol.com>

To: "Old Tube Radios" <boatanchors@theporch.com>

Sent: Thursday, June 06, 2002 1:26 AM

Subject: BA POWERS AND ICD

> Fellas,

> My primary interest in BA gear is to use them on the air. All of mine

> put out 100-150 watts on 160 thru 10 meters (not all on all bands). Last

> week I had an ICD implanted in my chest. I need to know if there are any

> problems running the BA's with this. Bear in mind, I have a link tuner

> unshielded in the shack, and a tuner with an end fed 135 foot wire. Also

I

> run an SB-34 mobile - any problems ?

>

> Thanks - K5VOL

>

-----  
Message-ID: <20020606142957.9624.qmail@mellon.com>



From: Merz Donald S <merz.ds@mellon.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Homebrew for sale  
Date: Thu, 6 Jun 2002 10:27:49 -0400  
MIME-Version: 1.0  
Content-Type: multipart/alternative;  
boundary="----=\_NextPart\_001\_01C20D66.5560D5B0"

This message is in MIME format. Since your mail reader does not understand this format, some or all of this message may not be legible.

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Content-Type: text/plain;  
charset="iso-8859-1"

For Sale: Ham Homebrew

It occurs to me that I have accumulated too much homebrew stuff. Some of this will never see daylight here so I guess I should let that stuff go. Here is the list. Let me know if you're interested in any of this.

Double-Decker Transmitter. This is a small AM/CW transmitter built on 2 steel chasses about 12 x 8. The lower chassis is the modulator and power supply while the upper one is the transmitter. They are joined together by solid steel angle-iron "rails" mounted at the 4 corners. Both chasses contain a round Shurite MA meter mounted in the center of the front apron. The only other controls on the modulator chassis apron are 2 toggle switches and a single-contact "button" mic connector. The controls on either side of the meter on the TX chassis front apron are tune and load variable caps plus a 1/4" jack for a key input (I think). Nothing is labeled. There are no un-used holes and nothing sloppy about the physical construction of this rig. The modulator tube lineup is 2-6L6, 1 6V6, 1 6AC7 and 1 83V -- very straightforward. The modulation transformer is a Stancor A-3845. There is an empty 6-pin socket with a coax cable connected to 2 pins running up to the TX. The transmitter tube lineup is incomplete

because some sockets are empty and unmarked. The only 2 tubes in it are an 807 final with socket mounted below chassis and a 6C5. The 4-pin rectifier socket next to the power transformer is empty -- maybe another 83V? There is an empty 5-pin socket and I think this is for a plug-in final coil. Another 4-pin socket has a short coil wound on a tube base marked "20". Finally there is an empty octal socket that is in the oscillator circuit and an empty 7-pin socket that has the other end of the coax from the modulator connected to 2 of its pins. Finally, there are 2 pin jacks on the top left of the TX chassis spaced just right for an FT-243 crystal. Below that on the side apron is a 1/4" jack which I originally thought was for metering but now I am thinking it is for a VF0. The TX output is a 300 ohm ribbon cable with a bare end. The undershassis wiring is just average. It is not haywire but it is also not elegant. This thing definitely was not built by an engineer. I think this was made in the late 1930's, maybe 1940 or '41 just before the war. Some of the caps used in the wiring are identical to ones I have removed from 1930's receivers. Anyway, I think you get the idea of what kind of project this is. It will require a bit of sleuthing and some restoration work. For those with a sense of adventure. \$69

Homebrew Mobile 6 & 10 Meter AM Transmitter. Designed for mobile operation, this is a beautifully-made transmitter copied from QST of June, 1946. An Ed Tilton design. Uses 5 2E30 tubes and one 2E25 (though this one came with a 2E26). The "2E"-series tubes were designed to heat up quickly so a mobile rig would not need to draw filament current for transmitting tubes while receiving. Crystal-control using 8MC xtal for 6M and 7MC xtal for 10M. Requires external 6VDC/275VDC/15VDC/30VDC power supply and carbon microphone (which are not included). The panel paint is peeling at the edges and this thing has a weird method of mounting on a military shock mount that comes

with it so it  
looks a bit strange. I have not tested this but looks like it should run. It  
is  
meticulously constructed using only the finest components and best  
construction  
practices. It looks better built than the one in the QST article. It comes  
with the  
original 6/46 QST article plus the builder's notes plus one coil (not sure  
if it's  
the 6M coil or 10M coil). This rig is also in one of the ARRL Mobile  
manuals.  
As-is. \$35

Homebrew 6M Portable Transceiver. This was a popular construction project  
from QST in  
the early 1950's. It uses 2 small aluminum chasses hinged together with one  
half for  
batteries and the other half for the little rig. It uses 3 3A5 tubes and  
requires  
a telephone handset. This is another extremely well-built item. It is  
untested but  
looks like it should run whenever power is applied. It came to me without a  
handset  
but I have one that I got to go with it. As-is. \$35

\*\*\*\*\*  
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Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

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\* is not set to send PLAIN TEXT ONLY and needs adjusting \*  
\* \* \* \* \*

-----=\_NextPart\_001\_01C20D66.5560D5B0--

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Message-ID: <20020606160915.6708.qmail@mellon.com>  
From: Merz Donald S <merz.ds@mellon.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Test Plain Text  
Date: Thu, 6 Jun 2002 12:06:05 -0400  
MIME-Version: 1.0  
Content-Type: multipart/alternative;  
boundary="----\_=\_NextPart\_001\_01C20D74.0FB235A0"

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Content-Type: text/plain;  
charset="iso-8859-1"

Test Plain Text

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Message-Id: <4.2.0.58.20020606090815.00c5a100@pop3.eimac.cpii.com>  
Date: Thu, 06 Jun 2002 09:08:54 -0700  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Paul Thekan <Paul.Thekan@eimac.cpii.com>  
Subject: APQ-9 ??  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

N

A T-39- APQ-9 found it's way to my door step. Can anyone tell me what the APQ-9 was....jammer???

Thanks  
Paul  
N6GEG

-----  
Date: Thu, 6 Jun 2002 11:27:45 -0500 (CDT)  
Message-Id: <v03007800b924e6190b72@[216.180.65.153]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
To: Old Tube Radios <boatanchors@theporch.com>  
From: third Eric <ejones@hiwaay.net>  
Subject: new Bench extension needs Projects ...

de N4TGC Eric

The first few projects postings were depressing, til I realized I'm no further behind than average, and I have actually accomplished a few things:

Just this week, I got the 15" deep by 32" wide, right-angle extension added to the 24" deep x 8' wide main bench. It's for "Station 2", a CX-grade BA HF pair, but I don't quite know what to put on it: the pending NC-300 with broken dial-drum cord is really too deep, and National didn't make a matching Tx anyway ... the largely un-evaluated SX-25 with loose dial gear isn't nearly as good a radio, and covers too much BW for a Ham rig. The drool-books suggest a Halli HT-4 with S-22, but I fantasize ...

The B&K 970 Radio Analyst is actually on the bench upper shelf, since I use the p/s's in it, but the missing VOM meter movement is a real pain: it's a unique, high-resistance movement, which I'll have rebuilt, if I can ever find out who actually does such a thing (the last two references didn't pan out.)

All the nifty but barely-working Conar t.e. needs re-capping; and I need a 281 manual to calibrate that sig-gen (hint, hint.)

The URM-25F sig-gen just needed shaft and contact cleaning/relubing. It worked FB on the first test (All the tubes checked good.)

The URM-32 meter awaits a manual and p/s. (Hint, YKW.) Also waiting for various connectors and parts are an AM-65 (u/w RT-70) and a bench p/s for the RT-70 needing repair, and an MT-327 manual for the RT-68/RT-70 etc. rig that sits on it. This and the next two, among others, are in the "Station 1" desk.

I'm letting the dud Swan 270 wait til I get the tower back up - when I built this house three years ago, the existing 52' sky-poker got

left in the wrong place (I sold the working 260, to force me to fix the 270!) ... the Swan 250 may well work, but I don't have a 6-meter antenna up yet either ... and never mind the lurking BC-654, TCS, ARB, RBL-3, four+ dud o'scopes, and six+ 2-3mc boat radios: gotta have something waiting impatiently ... like the half-forgotten FT-101B/YO-100 pair ... hmmm - maybe if I build a 30's-era HB tx that mounts on the wall, and use the Allied AX-190 rx below it ... aw, that's ridiculous - I think ...

Worst is the Singer/Gertsch service monitor: I GOTTA get this thing fixed, or replace it one - the genny part has flaky switches, and me bro tells me they're a real bugger to get apart (he's already tried and failed.)

Which reminds me of the otherwise-working Hickok 277X - the attenuator needs rebuilding (someone apparently transmitted into it, and I re-constructed it using a Heath example, but I have the right manual now), and I need to find out why the FM doesn't work - it covers 2 meters, but I can't hear it in a radio. It should indicate in the Radio Specialty deviation scope, but I haven't had time to try that, now that I got the HV caps in the scope fixed ...

Speaking of work, I think I'll go do some more - gotta keep Unka Sam in bidness ... BTW, the Louisville, KY connector posting is William A. Perry, whom I've met. Very knowlegable, and always brings some nifty mil-surp to the Huntsville, AL Hamfest. Nice guy - try to talk to him personally. Before you call, research the part numbers you need as best you can: it will help a lot! e

-----  
Mime-Version: 1.0

Message-Id: <p04320407b9253198386a@[12.64.1.4]>

Date: Thu, 6 Jun 2002 11:35:39 -0500

To: Old Tube Radios <boatanchors@theporch.com>

From: Joe LeKostaj <jm\_lekostaj@attglobal.net>

Subject: Re: USS COBIA Project Update and Needs

Content-Type: text/plain; charset="us-ascii" ; format="flowed"

At 5:16 PM -0500 6/5/02, Tom Aschenbrenner wrote:

>

>The Motor Generator set

>(not your average dynamotor..it's 2ft in diameter,5ft long!)

>took a bit of time since it hadn't been run in about 35 years!

Hey Tom,

How many cans of DeOxit were required for something that big?? ;-)

Just kidding!

73,

Joe K9LY

-----  
Message-Id: <v03007804b9253a72a12b@[132.235.46.182]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Date: Thu, 6 Jun 2002 13:00:26 -0400  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Richard Post <postr@ohiou.edu>  
Subject: Re: Do you Have Any Projects on the Bench?

Have for the past year or so kept a "latest project on the bench" item on my webpage. All the results are still viewable on the page.

Current project is Halli SX-17 which is now working FB although the AVC decay still seems a bit slow. Am slowly coming to the conclusion that the behavior may be correct given the circuit.

Previous item on the bench was a Bud Codemaster model CPO-128, a cute little basket case CPO that I found in a couple of SK box lot auction purchases (cabinet in one, chassis in another). Didn't know I had most of the pieces until I got the stuff home.

Previous to that was an awful-looking NC-120/RA0 that turned out rather nice and is admittedly one of my favorite shortwave band cruisers partly because of the amount of sweat-equity in it and how far it has come.

Soon to follow are:

Two BC-342s, including one on which a former owner started work but removed (and lost) several shield pieces.

A tubeless, knobless, shieldless, cabinet-less, power-supply-less Hammarlund SP-200 or 210 (Don't have the bandswitch knob range indicator to help identify it). The front panel is not engraved, not military, but is in good shape and should clean up well. Yes, price was in accord with condition.

A DAE-1 Navy direction finder complete with loop. Can't wait to DF some broadcast stations! (and null-out some others ;-)

An RBG-2, CHC 46140. (Navy version of Hammarlund HQ-120) that I have already repaired but still needs its front panel refinished and then to be reassembled.

An RME DB-22 pre-selector and a Meissner EX Signal Drif , err I mean, Shifter both found at the Hamvention for reasonable prices (and placed for a couple of hours under WF2U's pickup truck bumper while I continued looking for more such stuff. Thanks Meir, Sorry we missed on eyeball QS0.)

More projects, no firm timeline, just some fun.

73 de Rich

Boatanchor Pix website - KB8TAD  
<<http://oak.cats.ohiou.edu/~postr/bapix/>>

Museum of Radio and Technology  
<<http://oak.cats.ohiou.edu/~postr/MRT>>

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To: Old Tube Radios <[boatanchors@theporch.com](mailto:boatanchors@theporch.com)>  
Date: Thu, 6 Jun 2002 14:06:29 -0400  
Subject: D.C. motor generator brush care  
Message-ID: <20020606.140630.20960.0.k4pf@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
From: Edward J Knobloch <[k4pf@juno.com](mailto:k4pf@juno.com)>

Hi, Gang

Hearing talk of boatanchor d.c. motor-generator service work,  
I decided to pass along a hint received years back from an old time  
marine electrician who served on a WWII vintage troop ship  
His ship used d.c. equipment practically throughout.

He warned me that new brushes should be worked in  
using sandpaper so that edge of the brush touching the commutator  
is radiused the same as the commutator. This increases the surface  
area of the contact and reduces arcing. See illustration  
<http://www.strictly-extrusion.com/maintenance/motor.htm>

He warned me that not all generic "sandpaper" is true sandpaper.  
Some stuff that might work great removing paint would do a number  
on the copper of the commutators, due to its abrasive hardness.

OK to use:  
real sandpaper = silicon dioxide abrasive  
Carborundum (trade name) paper = silicon carbide

+Not+ OK to use:  
Ruby paper = red corundum  
Corundum paper = aluminum oxide Al2O3

He said something about iron oxide (rouge) paper, but I no longer



remember  
if it's in the good or not-good category. It's probably not-good,  
since it would be harder to clean out of the machine due to magnetic  
attraction.

73,  
Ed Knobloch k4pf@juno.com

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From: AA8TV@aol.com  
Message-ID: <195.7d75eb4.2a31006c@aol.com>  
Date: Thu, 6 Jun 2002 14:14:04 EDT  
Subject: 7 space 19" bud rack needed  
To: Old Tube Radios <boatanchors@theporch.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi Group,

Does anyone have a 19" equipment rack 8 3/4" high, and 10" deep, that is  
surplus to their needs? I think they call it a 7 space rack, if 1 1/4" equals  
one space. I have a 5 band hb transmitter that needs an enclosure.

tnx.

73, Ed  
AA8TV

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Message-ID: <3CFFB4CA.B5FF325F@lobo.net>  
Date: Thu, 06 Jun 2002 13:15:28 -0600  
From: "Herbert M. Rosenthal" <herbrose@lobo.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Fellow WorkBench Project Procrastinators (WBPP)  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Fellow WorkBench Project Procrastinators (WBPP),

The present thread shamed me into cleaning off the bench today (2 1/2 hours)..  
no repairs, no new holes in anything... just clean the stuff off and put it all  
away.

My bench is just outside the kitchen door, in the garage, and it is so easy just  
to walk out there and drop something onto the bench, and drop something onto the  
bench, and drop something onto the bench... you get the idea.

I now have a clean bench and so I promised myself to resume work on the QRO longwire remote antenna tuner... motorized with a Jennings VV and a 50 uH edge wound coil (Harris 5 kW) that I began for a friend 3 years ago. I think he's still a friend... No excuse now, gonna do it. Period.

Then the parts for the linear surfaced-3 x 811As... it's all there in the box-metal is all cut and ready to assemble, like a Heathkit of yore, just looking up at me. This will definitely be number two to complete

And then I found the box with the NOS Millen coil forms, the Bud variables, the ceramic sockets, the crystals and a sleeve of 5763s for the QRP rig... power supply components and all... definitely number three.

I did move the portable space heater out into the garden shed (supposed to be 91 today), and I brought in the fan, so there's hope I will get started 'most any day now.

Good luck to all of you from Albuquerque-and thanks for the boot!  
Herb Rosenthal W5AN

PS.. Just think how far along we'd be if we spent all that internet time on the projects! I have a running time clock on my computer, and I'm afraid to tell you what it reads each year...

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End of BOATANCHORS Digest 3346  
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